



February 20, 2007

Kittitas County Health Department
411 N. Ruby Street Suite 3
Ellensburg, WA 98926

ATTN: Catherine Bambrick, M.S.
RE: Kraemer Short Plat

Dear Ms. Bambrick:

This letter is written as a water availability report to present information that would indicate that potable water is likely to be attained by drilling individual wells on the proposed short plat lots or that a shared well could meet the water demands of the short plat.

The proposed short plat lies adjacent to Wilson Creek Road along the eastern boundary and adjacent to Brick Mill Road along the southern boundary in the east half of Section 19, Township 18 North, Range 19 East, W.M. Wilson Creek flows from north to south along a portion of the western boundary.

Data on existing well logs was gathered within approximately one quarter of a mile from the proposed short plat. Well logs were obtained for ten wells in Section 19 and three wells in Section 20. The well logs indicate a high probability of encountering potable water.

The wells vary in depth from 100 feet to 460 feet with the average depth for the thirteen wells at 347 feet. The well production quantities vary from 2.5 gallons per minute to 60 gallons per minute with the average for the thirteen wells at 23 gallons per minute. The static water level in the wells varies from 27 feet to 140 feet with the average level at 92 feet.

Based on the well log information, I recommend the Kraemer Short Plat be approved because of the probability that individual wells could be drilled on the lots or a shared well could be drilled to serve two lots. This recommendation is based on the existence and productivity of the wells previously mentioned. This recommendation should not be construed to be a guarantee that wells can be drilled at any particular location or depth and there is no guarantee on the production of the well(s).

February 20, 2007

Page 2

Thank you for your consideration. Please call me if you have any questions.

Very truly yours,

ENCOMPASS ENGINEERING AND SURVEYING

A handwritten signature in black ink, appearing to read "Chad Allen", with a long horizontal flourish extending to the right.

Chad Allen, P.E.

Enclosures

Cc: Lois Kraemer

WELL LOG SUMMARY
TWN 18N RGE 19E

Depth (ft)	Flow (gpm)	Static Level (ft)	1/4 1/4 Section
178	28	47	SE/NE Sec. 19
407	60	138	NE/NE Sec. 19
310	20	120	NE/NE Sec. 19
330	15	78	NE/NE Sec. 19
450	15	98	NE/NE Sec. 19
420	25	140	NE/NE Sec. 19
430	20	137	SW/NE Sec. 19
460	60	137	NE/SE Sec. 19
100	10	27	Center of Sec.19
400	2.5	unknown	NW/SE Sec. 19
420	12	50	SW/NW Sec. 20
420	8	70	NW/NW Sec. 20
180	25	60	NW/NW Sec. 20
AVERAGE DEPTH = AVERAGE FLOW= AVERAGE S.L. =			
347	23	92	

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT

Original & 1st copy Ecology 2nd copy owner 3rd copy driller

Construction/Decommission (in circle)

- Construction
 Decommission ORIGINAL CONSTRUCTION Notice

140972 of Intent Number

PROPOSED USE Domestic Industrial Municipal
 DeWater Irrigation Test Well Other

TYPE OF WORK Owner's number of well (if more than one) _____
 New Well Reconditioned Method Dug Bored Driven
 Deepened Cable Rotary Jetted

DIMENSIONS Diameter of well 6 inches drilled 407 ft
 Depth of completed well 407 ft

CONSTRUCTION DETAILS
 Casing Welded 6 Diam from 12 ft to 267 ft
 Installed Liner installed 4 1/2 Diam from 247 ft to 407 ft
 Threaded Diam from _____ ft to _____ ft

Perforations Yes No
 Type of perforator used Skill saw
 SIZE of perfs 1/4 in by 6 in and no of perfs 90 from 347 ft to 407 ft

Screens Yes No K Pac Location _____
 Manufacturer's Name _____
 Type _____ Model No _____
 Diam _____ Slot Size _____ from _____ ft to _____ ft
 Diam _____ Slot Size _____ from _____ ft to _____ ft

Gravel/Filter packed Yes No Size of gravel/sand _____
 Materials placed from _____ ft to _____ ft

Surface Seal Yes No To what depth? 2 ft
 Materials used in seal Bentonite
 Did any strata contain unusable water? Yes No
 Type of water? _____ Depth of strata _____
 Method of sealing strata off _____

PUMP Manufacturer's Name _____
 Type _____ HP _____

WATER LEVELS Land surface elevation above mean sea level _____ ft
 Static level 138 ft below top of well Date 10.31.03
 Artesian pressure _____ lbs per square inch Date _____
 Artesian water is controlled by _____ (cap valve etc)

WELL TESTS Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes by whom? _____
 Yield _____ gal/min with _____ ft drawdown after _____ hrs
 Yield _____ gal/min with _____ ft drawdown after _____ hrs
 Yield _____ gal/min with _____ ft drawdown after _____ hrs
 Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)
 Time Water Level Time Water Level Time Water Level
 _____ _____ _____ _____ _____ _____
 _____ _____ _____ _____ _____ _____
 _____ _____ _____ _____ _____ _____
 Date of test _____
 Bailer test _____ gal/min with _____ ft drawdown after _____ hrs
 Arrest _____ gal/min with stem set at 407 ft for 2 hrs
 Artesian flow _____ g p m Date _____
 Temperature of water _____ Was a chemical analysis made? Yes No

CURRENT Notice of Intent No W-171221

Unique Ecology Well ID Tag No AKO102

Water Right Permit No A

Property Owner Name Brett Rexinger

Well Street Address 300 N PEARL ST

City Ellensburg County Kittitas

Location NE 1/4 1/4 NE 1/4 Sec 19 Twn 18 R 19 ^{WWM} circle or one

Lat/Long (s r still) Lat Deg _____ Lat Min/Sec _____

REQUIRED) Long Deg _____ Long Min/Sec _____

Tax Parcel No 18-19-19030-0011

CONSTRUCTION OR DECOMMISSION PROCEDURE
 Formation Describe by color character size of material and structure and the kind and nature of the material in each stratum penetrated with at least one entry for each change of information Indicate all water encountered (USE ADDITIONAL SHEETS IF NECESSARY)

MATERIAL	FROM	TO
Soil	0	1
Gravel Boulders	1	16
Cemented Gravel	16	28
Tan clay Gravel	28	67
Red Clay	67	86
Sand Tan clay Gravel	86	120
Tan clay Gravel Water	120	137
Tan clay Gravel	137	145
Gravel Water	145	163
Tan clay	163	197
Gravel Water	197	206
Tan clay	206	228
Sandstone Tan clay	228	233
Gravel sand water	233	248
SS clay Gravel	248	262
Gravel Water	262	267
Gravel Broken Rock	267	278
Green clay Broken Rock	278	321
Tan clay Broken Rock	321	327
Tan clay	327	348
Broken Black Rock Tan clay	348	378
Brown clay	378	387
Brown clay Gravel	387	407

Start Date 10 28 03 Completed Date 10.31.03

WELL CONSTRUCTION CERTIFICATION I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

Driller Engineer Trainee Name (Print) George Wamsley
 Driller/Engineer/Trainee Signature [Signature]
 Driller or Trainee License No 2428

Drilling Company HIDDEN RIVERS DRILLING

Address 1450 CASSIN RD

City State Zip SEWART, WA

Contractor's Registration No HIDDEN RIVERS Date 11/03/03

Ecology is an Equal Opportunity Employer ECY 050 1 20 (Rev 4/01)

If trainee, licensed driller's Signature and License no _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original with Department of Ecology **107308**
Second Copy - Owner's Copy
Third Copy - Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

509-962-1996

Notice of Intent **136237**
UNIQUE WELL I.D # **AGB-233**

Water Right Permit No _____

(1) OWNER: Name **KEITH RESINGER** Address **LOT 3 SPRING VALLEY LN E-BURN WA**

(2) LOCATION OF WELL: County **KITTITAS** NE 1/4 NE 1/4 Sec 19 T 18 N R 19 WM

(2a) STREET ADDRESS OF WELL: (or nearest address) **SPRING CREEK RD**
TAX PARCEL NO.: **18-19-19-19020-006** **A**

(3) PROPOSED USE: Domestic Industrial Municipal
 Irrigation Test Well Other
 DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
 New Well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted
 Decommission

(5) DIMENSIONS: Diameter of well **6"** inches
Drilled **310** feet Depth of completed well **310** ft

(6) CONSTRUCTION DETAILS
Casing installed: Welded Liner installed Threaded
Diam. from **4 1/2"** to **6"** ft
Diam. from **210** ft to **310** ft
Diam. from _____ ft to _____ ft

Perforations: Yes No
Type of perforator used **SKILLSAW**
SIZE of perforations **1/4"** in by **6"** in
60 perforations from **270** ft to **310** ft

Screens: Yes No K-Pac Location _____
Manufacturer's Name _____
Type _____ Model No _____
Diam. _____ Slot Size _____ from _____ ft to _____ ft
Diam. _____ Slot Size _____ from _____ ft to _____ ft

Gravel/Filter packed: Yes No Size of gravel/sand _____
Material placed from _____ ft to _____ ft

Surface seal: Yes No To what depth? **20** ft
Material used in seal **BENTONITE**
Did any strata contain unusable water? Yes No
Type of water? **RED WATER** Depth of strata **101-105**
Method of sealing strata off **CASEING** **150-187**

(7) PUMP: Manufacturer's Name _____
Type _____ HP _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level **120** ft. below top of well Date _____
Artesian pressure _____ lbs per square inch Date _____
Artesian water is controlled by _____
(Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? _____
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time Water Level Time Water Level Time Water Level

Date of test _____
Bailer test _____ gal/min with _____ ft drawdown after _____ hrs
Artest **20** gal/min with _____ ft drawdown after **2** hrs
Artesian flow _____ g p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION
Formation; Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered

MATERIAL	FROM	TO
DIRT	0	2
GRAVEL BOULDERS	2	16
CEMENTED GRAVEL	16	27
GRAVEL-WATER-RED	27	39
CEMENTED GRAVEL	39	62
BROWN CLAY-GRAVEL	62	70
BROWN CLAY	70	78
CLAY-GRAVEL	78	85
CEMENTED GRAVEL	85	88
BROWN CLAY	88	95
CLAY-GRAVEL-SANDSTONE	95	101
GRAVEL-WATER-RED	101	105
SANDSTONE-WATER	105	139
GRAVEL-WATER RED	139	144
CLAY & GRAVEL	144	215
GRAVEL	215	223
BROKEN BLACK BASALT	223	248
BLACK BASALT	248	262
BROWN BASALT CLAY WATER	262	267
BROKEN BLACK BASALT	267	310
WATER RECEIVED		

NOV 28 2001
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT
RECEIVED
CENTRAL REGIONAL OFFICE

Work Started **9/29/01** Completed **10/1/01**

WELL CONSTRUCTION CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.
Type or Print Name **CHRIS WANSLEY** License No **2428**
(Licensed Driller/Engineer)
Trainee Name _____ License No _____
Drilling Company **HEADIN RIVERS DRILLING**
(Signed **Chris Wansley**) License No **2428**
(Licensed Driller/Engineer)
Address **1450 GIBSON RD SILVIA, WA 98942**
Contractor's Registration No **HEADRD0100B** Date **10/4/01**
(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

File Original with
Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Notice of Intent W-113696
UNIQUE WELL ID # ACX-945
Water Right Permit No _____

110945

(1) OWNER: Name KIETH RIEKINGER Address 300 N PEACE ELLensburg WA
(2) LOCATION OF WELL: County KETTNER NE 1/4 NE 1/4 Sec 19 T 19 N R 18 WM
(2a) STREET ADDRESS OF WELL: (or nearest address) Per Driller 19 18 19
TAX PARCEL NO.: 18-19-19-020-000-4

(3) PROPOSED USE: Domestic Industrial Municipal
 Irrigation Test Well Other
 DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
 New Well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted
 Decommission

(5) DIMENSIONS: Diameter of well 10 XL inches
Drilled 330 feet Depth of completed well 330 ft

(6) CONSTRUCTION DETAILS
Casing Installed:
 Welded 6 " Diam from 12 ft to 220 ft
 Liner installed 4 1/2 " Diam from 210 ft to 330 ft
 Threaded _____ Diam from _____ ft to _____ ft

Perforations: Yes No
Type of perforator used SKILSAW
SIZE of perforations 12 in by 1/4 in.
40 perforations from 300 ft to 330 ft

Screens: Yes No K-Pac Location _____
Manufacturer's Name _____
Type _____ Model No _____
Diam. _____ Slot Size _____ from _____ ft to _____ ft.
Diam. _____ Slot Size _____ from _____ ft to _____ ft.

Gravel/Filter packed: Yes No Size of gravel/sand _____
Material placed from _____ ft to _____ ft

Surface seal: Yes No To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes No
Type of water? IRON Depth of strata 16.5
Method of sealing strata off CASKEG OUT

(7) PUMP: Manufacturer's Name _____
Type _____ HP _____

(8) WATER LEVELS: Land surface elevation above mean sea level _____ ft
Static level 78 ft below top of well Date 9/14/00
Artesian pressure _____ lbs per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? _____
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Yield _____ gal/min with _____ ft drawdown after _____ hrs.
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time _____ Water Level _____ Time _____ Water Level _____ Time _____ Water Level _____
Date of test _____
Bailer test _____ gal/min with _____ ft drawdown after _____ hrs
Airtest 15 gal/min with _____ ft drawdown after 2 hrs
Artesian flow _____ gpm Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION
Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered

MATERIAL	FROM	TO
DIRT	0	1
LARGE Gravel - Boulders	1	18
Cemented Gravel - Boulders	8	39
Cemented Gravel - Clay	39	98
Brown Clay - Gravel	98	120
Gravel - Water	165	178
Brown Clay - Gravel	178	218
Brown Basalt	218	224
Brown Clay	224	238
Gravel - Brown Clay	238	245
Black Basalt	245	258
Brown Black Basalt	258	310
Water	310	330

Work Started 9/7/00 Completed 9/14/00

WELL CONSTRUCTION CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.
Type or Print Name Clayton Wamsey License No. 2428
(Licensed Driller/Engineer)
Trainee Name _____ License No. _____
Drilling Company HIDDEN RIVERS DRILLING
(Signed) Clayton Wamsey License No. 2428
(Licensed Driller/Engineer)
Address 757 Crane Road, Ellensburg, WA
Contractor's Registration No. HEDDER001003 Date 9/14/00
(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs contact the Water Resources Program at (360) 407-_____

The Department of Ecology does NOT warrant the Data and/or the Information on this Well Report.

File Original with
Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Notice of Intent W 113695
UNIQUE WELL I.D # ACX-944

Water Right Permit No _____

110946

(1) OWNER: Name KIETH RIEKINGER Address 300 N PEACE ELLENSBURG WA

(2) LOCATION OF WELL: County KITITAS P1:10 NE 1/4 NE 1/4 Sec 19 T. 18 N.R. 19 WM

(2a) STREET ADDRESS OF WELL: (or nearest address) 701 SPRENG VALLEY LANE
TAX PARCEL NO.: 18-19-19020-0005 A

(3) PROPOSED USE: Domestic Industrial Municipal Other
 Irrigation Tertiary Other
 DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
 New Well Method _____
 Deepened Dug Bored
 Reconditioned Cable Driven
 Decommission Rotary Jetted

(5) DIMENSIONS: Diameter of well 10" + 6" inches
Drilled _____ feet Depth of completed well _____ ft

(6) CONSTRUCTION DETAILS
Casing Installed: Welded _____ Diam from 42 ft to 285 ft
 Liner installed 4 1/2 " Diam from 270 ft to 450 ft
 Threaded _____ Diam from _____ ft to _____ ft

Perforations: Yes No
Type of perforator used SKILLSAW
SIZE of perforations 12" in by 1/4" in.
40 perforations from 420 ft. to 450 ft

Screens: Yes No K-Pac Location _____
Manufacturer's Name _____
Type _____ Model No _____
Diam _____ Slot Size _____ from _____ ft to _____ ft.
Diam _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: Yes No Size of gravel/sand _____
Material placed from _____ ft to _____ ft.

Surface seal: Yes No To what depth? 20 ft
Material used in seal BENTONITE
Did any strata contain unusable water? Yes No
Type of water? IRON-RED Depth of strata 165-175
Method of sealing strata off CASED OUT

(7) PUMP: Manufacturer's Name 2 HP STAYRITE
Type SUBMERSIBLE HP _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft
Static level 98 ft below top of well Date 9/1/00
Artesian pressure _____ lbs per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? _____
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time Water Level Time Water Level Time Water Level

Date of test _____
Bailer test _____ gal/min with _____ ft drawdown after _____ hrs
Airtest 15 gal/min with _____ ft drawdown after 2 hrs
Artesian flow _____ g p m Date 9/1/00
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION
Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered

MATERIAL	FROM	TO
GRAVEL - BOULDERS	1	38
CLAY - GRAVEL - BOULDERS	38	66
BROWN CLAY	66	71
CEMENTED - GRAVEL	71	83
GRAVEL	83	109
BROWN CLAY - GRAVEL	109	165
GRAVEL - RED WATER	165	175
CLAY - GRAVEL	175	186
GRAVEL	186	207
BROWN SANDSTONE - GRAVEL	207	225
GRAVEL	225	239
BROWN CLAY - SANDSTONE	239	257
CLAY - GRAVEL	257	285
BLACK - BASALT	285	305
YELLOW CLAY	305	320
GREY CLAY	320	386
BLACK BASALT	386	409
BROKEN BLACK BASALT	409	438
WATER	438	450

RECEIVED

DEC 13 2000

DEC 11 2000

DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

Work Started 9/3/00 Completed 9/5/00

WELL CONSTRUCTION CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Type or Print Name Craig Wamsler License No. 2428
(Licensed Driller/Engineer)

Trainee Name _____ License No. _____

Drilling Company HIDDEN RIVERS DRILLING
(Signed) Craig Wamsler License No. 2428
(Licensed Driller/Engineer)

Address 759 LAMIE ROAD
SEAN, WA

Contractor's Registration No. HDDERD010DB Date 9/8/00

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (360) 407-_____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original with Department of Ecology 97809 WATER WELL REPORT STATE OF WASHINGTON

Notice of Intent W-136215 UNIQUE WELL I.D.# AG13-210 Water Right Permit No.

(1) OWNER: Name KIETH RIEKINGER Address 300 N PEACE (2) LOCATION OF WELL: County KITTITAS NE 1/4 NE 1/4 Sec 19 T 18 N R. 19 WM (2a) STREET ADDRESS OF WELL: (or nearest address) SPRINT VALLEY LN 19 A TAX PARCEL NO.: 18-19-19020-6007

(3) PROPOSED USE: [X] Domestic [] Industrial [] Municipal [] Irrigation [] Test Well [] Other [] DeWater (4) TYPE OF WORK: Owner's number of well (if more than one) [] New Well Method: [X] Bored [] Deepened [] Dug [] Reconditioned [] Cable [] Driven [] Decommission [X] Rotary [] Jetted

(5) DIMENSIONS: Diameter of well 6 inches Drilled 420 feet. Depth of completed well 420 ft (6) CONSTRUCTION DETAILS Casing Installed: [X] Welded [] Liner installed [] Threaded Diam. from 12 ft. to 236 ft. Diam. from 226 ft. to 420 ft. Diam. from ft. to ft.

Perforations: [X] Yes [] No Type of perforator used SKILLSAW SIZE of perforations 1/4 in. by 6 in. 70 perforations from 380 ft. to 420 ft.

Screens: [] Yes [X] No [] K-Pac Location Manufacturer's Name Type Model No Diam. Slot Size from ft. to ft. Diam. Slot Size from ft. to ft. Gravel/Filter packed: [] Yes [X] No [] Size of gravel/sand Material placed from ft. to ft. Surface seal: [X] Yes [] No To what depth? 20 ft. Material used in seal BENTONITE Did any strata contain unusable water? [X] Yes [] No Type of water? IRON Depth of strata 60-160-230 Method of sealing strata off CASING IT OUT

(7) PUMP: Manufacturer's Name Type: H.P.

(8) WATER LEVELS: Land surface elevation above mean sea level 740 ft Static level 740 ft below top of well Date 10/14/01 Artesian pressure lbs per square inch Date 17 Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? [] Yes [] No If yes, by whom? Yield gal./min. with ft. drawdown after hrs. Yield gal./min. with ft. drawdown after hrs. Yield gal./min. with ft. drawdown after hrs. Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) Time Water Level Time Water Level Time Water Level Date of test Bailer test gal./min. with ft. drawdown after hrs. Airstest 25 gal./min. with ft. drawdown after 2 hrs. Artesian flow g p m Date Temperature of water Was a chemical analysis made? [] Yes [] No

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered. Table with columns MATERIAL, FROM, TO. Entries include: DIRT, GRAVEL-RED WATER, GRAVEL-BOULDERS, CLAY-BOULDERS, BROWN CLAY, CLAY-GRAVEL, BROWN CLAY, GRAVEL-RED WATER, BROWN-CLAY, GRAVEL-WATER RED, BROKEN BASALT, BROWN CLAY, BROWN CLAY GRAVEL, GRAVEL, BASALT-GREEN SHALE, GREEN CLAY, BROKEN BASALT, GREEN CLAY, BLACK BASALT, GREY CLAY, BROWN SANDSTONE, GRAVEL WATER.

Work Started 10/13/01 Completed 10/17/01

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief. Type or Print Name CRAIG WAMSLER License No 1058 (Licensed Driller/Engineer) Trainee Name License No Drilling Company HEDDEROOD DRILLING (Signed Craig Wamsler License No. 1058 (Licensed Driller/Engineer) Address 257 GAME REAR RD SEWALL WA Contractor's Registration No HEDDEROOD Date 4/18/01

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original with Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's Copy

97811 #5

WATER WELL REPORT

STATE OF WASHINGTON

Notice of Intent 113691
UNIQUE WELL I D # AGB-217

Water Right Permit No _____

(1) OWNER Name KETH RIEXNER Address 300 N PEACE RD E-BURG

(2) LOCATION OF WELL County KITITAS SW 1/4 NE 1/4 Sec 19 T 18 N R 19 WM

(2a) STREET ADDRESS OF WELL (or nearest address) SPRING CREEK RD E-BURG WASH
TAX PARCEL NO 18-19-19-020-0008

(3) PROPOSED USE Domestic Industrial Municipal
 Irrigation Test Well Other
 DeWater

(4) TYPE OF WORK Owner's number of well (if more than one) _____
 New Well Method _____
 Deepened Dug Bored
 Reconditioned Cable Driven
 Decommission Rotary Jettied

(5) DIMENSIONS Diameter of well 6" inches
Drilled 430 feet. Depth of completed well 430 ft

(6) CONSTRUCTION DETAILS
Casing installed Welded 6" Diam from 12 ft to 225 ft
 Liner installed 4 1/2" Diam from 210 ft to 430 ft
 Threaded _____ Diam from _____ ft to _____ ft

Perforations Yes No
Type of perforator used SKILL SAW
SIZE of perforations 1/4 in by _____ in
80 perforations from 390 ft to 430 ft

Screens Yes No K-Pac Location _____
Manufacturer's Name _____
Type _____ Model No. _____
Diam _____ Slot Size _____ from _____ ft to _____ ft
Diam _____ Slot Size _____ from _____ ft to _____ ft

Gravel/Filter packed Yes No Size of gravel/sand _____
Material placed from _____ ft to _____ ft

Surface seal Yes No To what depth? 20 ft
Material used in seal BENTONITE
Did any strata contain unusable water? Yes No
Type of water? RED Depth of strata 160
Method of sealing strata off CASING

(7) PUMP Manufacturer's Name _____
Type _____ H P _____

(8) WATER LEVELS Land surface elevation above mean sea level _____ ft
Static level 137 ft below top of well Date 5/30/01
Artesian pressure _____ lbs per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc)

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? _____
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time Water Level Time Water Level Time Water Level

Date of test _____
Bailer test _____ gal/min with _____ ft drawdown after _____ hrs
Airtest 20 gal/min with 0 ft drawdown after 2 hrs
Artesian flow _____ g p m Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION
Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered

MATERIAL	FROM	TO
DIRT	0	3
GRAVEL Boulders	3	12
CEMENTED GRAVEL	12	23
GRAVEL	23	25
CEMENTED GRAVEL	25	68
BROWN CLAY	68	77
CEMENTED GRAVEL	77	96
BROWN CLAY	96	140
GRAVEL WATER	140	146
BROWN CLAY	146	155
GRAVEL WATER	155	167
GRAVEL CLAY	167	178
BROWN CLAY	178	204
CEMENTED GRAVEL	204	226
BROKEN BASKET-BACK	226	230
BROWN CLAY - GRAVEL	230	248
BLACK BASALT	248	257
BROWN CLAY	257	265
BLACK BASKET	265	298
BROWN CLAY	298	324
BLACK BASKET	324	327
BROWN CLAY	327	344
BLUE-GREEN CLAY-BASKET	344	348
BLACK BASKET	348	366
GRAVEL CLAY-BASKET	366	372
BLACK BASKET	372	430
GRAVEL WATER		

Work Started 5/28/01 Completed 5/30/01

WELL CONSTRUCTION CERTIFICATION

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Type or Print Name DAVID WILSON License No 2428
(Licensed Driller/Engineer)

Trainee Name _____ License No _____

Drilling Company HIDDEN RIVERS DRILLING
(Signed) Clay Wamsley License No 2428
(Licensed Driller/Engineer)

Address 751 GRAME BROOK RD SALT LAKE

Contractor's Registration No HDDER061006 Date 5/30/01

(USE ADDITIONAL SHEETS IF NECESSARY)

File Original and First Copy with Department of Ecology

Second Copy - Owner's Copy

Third Copy - Driller's copy

166348

WATER WELL REPORT

STATE OF WASHINGTON

Notice of Intent **W176554**

UNIQUE WELL I.D. # **ALF456**

Water Right Permit No. _____

(1) OWNER: Name **LEON SIGLER**

Address **1160 BRICK MILL RD, ELLENSBURG, WA 98926**

(2) LOCATION OF WELL: County **KITTITAS**

- **NE 1/4 SE 1/4** Sec **19** T. **18** N., R. **19** W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) **1160 BRICK MILL RD ELLENSBURG WA**

TAX PARCEL NO. **181919-040-0002**

(3) PROPOSED USE: Domestic Industrial Municipal
 Irrigation Test Well Other
 DeWater

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION:

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered.

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
 New Well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted
 Decommission

MATERIAL	FROM	TO
SOIL	0	2
SOIL GRAVEL & SMALL BOLDERS	2	4
CLAY GRAVEL & SMALL BOLDERS	4	87
CLAY & CLAY & GRAVEL LAYERS	87	191
SANDSTONE & CLAY	191	253
GRAVEL & SAND	253	272
CLAY	272	275
BASALT BLACK BROWN SOFT	275	309
CLAY	309	325
CLAY & BASALT BLACK BROWN	325	329
CLAY	329	347
BASALT BLACK BROWN	347	359
CLAY SHALE BROWN	359	370
BASALT BLACK & BLUE SHALE CLAY	370	390
BASALT BLACK & CLAY BROWN	390	419
CLAY BROWN	419	427
BASALT BLACK & GREEN SHALE CLAY	427	436
BASALT BLACK BROWN	436	450
CLAY	450	459
BASALT BLACK BROWN & CLAY BROWN	459	461
60 GPM @ 460		
40 GPM @ 400		
35 GPM @ 340		
25 GPM @ 280		
10 GPM @ 220		

(5) DIMENSIONS: Diameter of well **6** inches.
Drilled **460** feet. Depth of completed well **460** ft.

(6) CONSTRUCTION DETAILS:

Casing Installed:

Welded **6** " Diam. from **+3** ft to **298** ft.
 Liner installed **4 1/2** " Diam. from **280** ft. to **460** ft.
 Threaded _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes No

Type of perforator used **SKILLSAW**

SIZE of perforations **1/8** in. by **6** in.
45 perforations from **420** ft. to **460** ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes No K-Pac Location _____

Manufacturer's Name _____

Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: Yes No Size of gravel/sand _____

Material placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? **298** ft.

Material used in seal **BENTONITE**

Did any strata contain unusable water? Yes No

Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation _____ ft.
above mean sea level _____ ft.

Static level **137** ft. below top of well Date **12/21/2004**

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____
(Cap, valve, etc)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest **60** gal./min. with stem set at **460** ft. for **1** hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analyses made? Yes No

Work Started **12/20/2004**, 19. Completed **12/21/2004**, 19

WELL CONSTRUCTION CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Type or Print Name **TOM MCGUIRE** License No. **0357**
(Licensed Driller/Engineer)

Trainee Name _____ License No. _____

Drilling Company **RICK POULIN WELL DRILLING**

(Signed) *Tom McGuire* License No. **0357**
(Licensed Driller/Engineer)

Address **1301 LANCASTER RD SELAH, WA 98942**

Contractor's Registration No. **RICKPWD042J2** Date **12/21/04**, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (360) 407-6600. The TDD number is (360) 407-6006.



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

8057

Start Card No. 84439

File Original and First Copy with
Department of Ecology

WATER WELL REPORT

Second Copy—Owner's Copy
Third Copy—Driller's Copy

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name BILL ARNOLD Address _____

(2) LOCATION OF WELL: County KLITITAS - NW 1/4 SE 1/4 Sec 19 T. 18 N. R. 19 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) WILSON CREEK

(3) PROPOSED USE: Domestic Industrial Municipal
 Irrigation Test Well Other
 DeWater

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
 Abandoned New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

MATERIAL	FROM	TO
SOIL, COBBLES	0	15
CEMENTED GRAVEL	15	195
SANDSTONE	195	210
CEMENTED GRAVEL	210	230
BASALT, BLACK, OCC. FRAC.	230	270
SANDSTONE w/CLAY	270	278
BASALT, BLACK, OCC. FRAC.	278	385
SANDSTONE, GREEN	385	392
BASALT, BLACK, OCC. FRAC.	392	400

(5) DIMENSIONS: Diameter of well 6 inches.
 Drilled 400 feet. Depth of completed well 400 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 6 Diam. from 0 ft. to 230 ft.
 Welded 4 Diam. from 0 ft. to 400 ft.
 Liner installed
 Threaded

22

Perforations: Yes No
 Type of perforator used SKILSAW
 SIZE of perforations 1/8 in. by 2 1/4 in.
80 perforations from 320 ft. to 380 ft.

Screens: Yes No
 Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.
 Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel _____
 Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? 20 ft.
 Material used in seal BENTONITE
 Did any strata contain unusable water? Yes No
 Type of water? IRON Depth of strata 160-180
 Method of sealing strata off CASING

(7) PUMP: Manufacturer's Name _____
 Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
 Static level _____ ft. below top of well Date _____
 Artesian pressure _____ lbs. per square inch Date _____
 Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? _____
 Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Work started 11/11, 1992. Completed 11/18, 1992

WELL CONSTRUCTOR CERTIFICATION:
 I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME BACH DRILLING CO (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address RT 5 BOX 1010

(Signed) _____ License No. 1778
 (WELL DRILLER)

Contractor's Registration No. MIKE 806133 WA Date 11/18, 1992

(USE ADDITIONAL SHEETS IF NECESSARY)

Date of test _____
 Bailor test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Airtest 2 1/2 gal./min. with stem set at 390 ft. for 2 hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water _____ Was a chemical analysis made? Yes No

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. **W45006**
Unique Well I.D. # **ABP011**
Water Right Permit No.

(1) OWNER: Name **ARNOLD, BILL** Address **4700 WILSON CREEK ROAD ELLENSBURG, WA 98926-**
(2) LOCATION OF WELL: County **KITTITAS** - NW 1/4 NW 1/4 Sec 20 T 18 N., R 19E W1
(2a) STREET ADDRESS OF WELL (or nearest address),

(3) PROPOSED USE: **DOMESTIC** (10) WELL LOG

(4) TYPE OF WORK: Owner's Number of well (If more than one) **1**
RECONDITIONED Methods: **ROTARY**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

(5) DIMENSIONS: Diameter of well & inches
Drilled ft. Depth of completed well ft.
MATERIAL FROM TO

(6) CONSTRUCTION DETAILS:
Casing installed: **6** " Dia. from **0** ft. to **300** ft.
WELDED **4** " Dia. from **0** ft. to **420** ft.
" Dia. from ft. to ft.

PULLED LINER, PERFORATED
6" CASING FROM 155' TO 185'

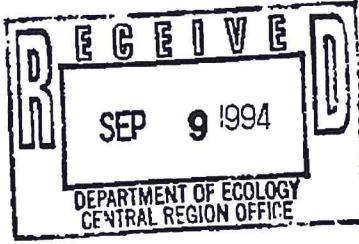
RUN LINER BACK IN WITH
PERFORATIONS @ 380' TO 420'
AND @ 155' TO 185'

Perforations: **YES**
Type of perforator used **SKILL SAW**
SIZE of perforations **1/8** in. by **11** in.
60 perforations from **300** ft. to **420** ft.
30 perforations from **155** ft. to **185** ft.
perforations from ft. to ft.

Screens: **NO**
Manufacturer's Name
Type Model No.
Diam. slot size from ft. to ft.
Diam. slot size from ft. to ft.

Gravel packed: **NO** Size of gravel
Gravel placed from ft. to ft.

Surface seal: **NO** To what depth? ft.
Material used in seal
Did any strata contain unusable water? **NO**
Type of water? Depth of strata ft.
Method of sealing strata off



(7) PUMP: Manufacturer's Name Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level **70** ft. below top of well Date **08/17/94**
Artesian Pressure lbs. per square inch Date
Artesian water controlled by
Work started **08/16/94** Completed **08/17/94**

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Has a pump test made? **NO** If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.
WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Recovery data
Time Water Level Time Water Level Time Water Level
Date of test / /
Bailer test gal/min. ft. drawdown after hrs.
Air test @ gal/min. w/ stem set at ft. for hrs.
Artesian flow g.p.s. Date
Temperature of water Has a chemical analysis made? **NO**
NAME **PONDEROSA DRILLING** (Person, firm, or corporation) (Type or print)
ADDRESS **E 1010 BROADWAY**
[SIGNED] *Dennis Chan* License No. **2154**
Contractor's
Registration No. **PO-ND-E14848JE** Date **08/24/94**

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with
Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W 08660

UNIQUE WELL I.D. # ACI 307

Water Right Permit No. _____

(1) OWNER: Name Donald McPherson Address 4510 Wilson Creek Rd. Elkenska

(2) LOCATION OF WELL: County Kittitas NW 1/4 NW 1/4 Sec 20 T. 18 N. R. 19E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) Wilson Cr. Rd.

(3) PROPOSED USE: Domestic Industrial Municipal
 Irrigation Test Well Other
 DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 180 feet. Depth of completed well 180 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 Diam. from +2 ft. to 158 ft.
Welded Diam. from _____ ft. to _____ ft.
Liner installed Threaded Diam. from _____ ft. to _____ ft.

Perforations: Yes No
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes No
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? _____ ft.
Material used in seal Bentonite
Did any strata contain usable water? Yes No
Type of water? Red Depth of strata 8
Method of sealing strata off Casing and Clay that occurred below

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 60 ft. below top of well Date 6-27 ft.
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? _____
Yield: _____ gal./min. with _____ -ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time Water Level Time Water Level Time Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Artest 25 gal./min. with stem set at 1 ft. for 160 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Cobbles & Brown clay	0	34
gravel & clay	34	119
gravel & water	119	127
yellow clay	127	136
Light Brown sticky clay	136	157
Soft Rotten Sand Stone & water	157	180

Work Started 6-26 19 96 Completed 6-27 19 96

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Mathews Drilling
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 9455 Stone Crest Rd Mil,
(Signed) Math M Mathew License No. 1267
(WELL DRILLER)

Contractor's Registration No. Mathedc 11746 Date 6-27 19 96

(USE ADDITIONAL SHEETS IF NECESSARY)

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